

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for immobilizing nucleic acid on a solid phase-substrate by co-adsorption, comprising:

forming a composition bringing the solid phase substrate into contact with a composition comprising:

a total concentration of 0.1 to 2  $\mu$ M of a nucleic acid as a probe, and a compound or a salt thereof, the compound being represented by the following formula:



where:

$\text{L}^1$  is a single bond or a  $\text{C}_{1-15}$  alkylene—an alkylene group having 1 to 15 carbon atoms;

$\text{L}^2$  is selected from the group consisting of a single bond, a nucleic acid, a polyethylene glycol group,  $-\text{CO}-\text{NH}-$ , or and  $-\text{NH}-\text{CO}-$ ;

$\text{R}$  is selected from the group consisting of a hydroxyl group, an amino group, a ferrocenyl group, or and a carboxyl group; and

$\text{L}^1$  and  $\text{L}^2$  are not both single bonds; and  
then bringing the solid phase substrate into contact with the composition; and  
incubating the composition in contact with a surface of the solid phase  
substrate substrate,

wherein the composition comprises a nucleic acid and a compound represented by formula I at a ratio of 40/60 to 60/40.